MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

1st and Final Bill

M. A. R. 57 (Rule 116) No. D

Measurement Book

~~Serial No.~~ 60824

Name of work Improvements to roads and drains at 2nd main and 9th cross Manjunathnagara in ward no. 11 (Bagalagunte)

Name of Contractor of nature of Agency The Technical Managers, BPIDL

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estimated cost :- 50.00 Lakhs Job code :- 014-18-000045 Afs. NO :- EE/DD/ As/203/17-18. Dt. 21/10/2017 Tls NO :- CE/DZ/ TS/242/17-18 Dt. 31/10/2017 W/o. NO :- EE/DD/WO/81/2017-18. Dt. 20/11/2017					PCode :- P-1878	
(1)	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled						

MEASUREMENT BOOK

te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	neatly after breaking of clods Complete as per Specifications As per premeasurement Qty recorded in this MB at pg. No. 60885/2 vide it. No ①. .					1287.03 cum	
	Qty limited to					1285.32 cum	
	@ Rate of 86.55/cum					= £ 111720/-	
②	providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kg/m³ with coarse and down size graded granite metal coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum making mixed concrete laid in layers not exceeding 15 cms, thoroughly compacted, in foundations including cost of all materials complete as per specifications.						

M. A. R. 57 (Rule 116) No. D

Measurement Book

60825

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per premeasurement Qty recorded in this MB at Pg. No. 60886 vide item No. ②. i.e.					32.32 cum	
	Qty limited to					32.22 cum	
	@ Rate of 5159.02/cum					= £ 166224/-	
②	providing and removing, centering, shuttering, struting propping etc, and down size of removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string course cost of all materials complete as per Specifications As per premeasurement Qty recorded in this MB at pg. No. 60887/1 vide item No ②.					759.60 Sqm	

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
			Qty limited to @ rate ₹310.58/Sqm			716.00 Sqm = ₹222375/-	
(4)	Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregate @0.69cum and FA @ 0.46cum with Super plastisisser @ 3ltrs confirming to IS9103-1999 Reaffirmed upto 5m height. As per premeasurement Qty recorded in this MB at pg No. 60887/2 vide it. No. (4). Qty limited to @ rate ₹6965.26/cum					74.08cum 67.12cum = ₹467508/-	

M. A. R. 57 (Rule 116) No. D

Measurement Book

60826

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
(5)	Supplying, fitting and placing TMT bars Fe500 reinforcement in Substructure complete as per drawing and technical specifications. complete as per specifications. As per premeasurement Qty recorded in this MB at pg No. 60886/2 vide it. No. (5). i.e Qty limited to @ Rate ₹66482.14/ton					5.43 tonnes 5.32 tonnes = ₹353685/-	
(6)	Supplying and fixing precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing material cost transportation, hire						

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ಬೆಂಗಳೂರು

MEASUREMENT BOOK

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Charges for machineries, machine cutting the vertical face to get plain even surface etc., complete with all leads and lifts conveyance charges, labour charges. inclusive of cost of all materials						
	2nd main Rly	1	60.00	0.75		45.00	
		1	23.00	0.75		17.25	
	" Rly	1	64.00	0.90		57.60	
		1	64.00	0.90		57.60	
					Total Qty =	177.45 Sqm	
					Qty limited to	161.10 Sqm	
					@ Rate of	169.8/Sqm	=₹27354/-
	S.A.O 3/3/2018						
(7)	providing and fixing precast solid concrete kerb stones made out of CC 1:2:4 with top and bottom 114 & 165mm respectively, 400mm high & 450mm in length finished						
	S.A.O						

M. A. R. 57 (Rule 116) No. D

Measurement Book

60827

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of all materials, labour, hire charges of machineries, loading, unloading, leads and lifts etc. complete as per specifications						
	2nd main Rly	1	60.00			60.00	
		1	23.00			23.00	
	" Rly	1	64.00			64.00	
		1	64.00			64.00	
		1	60.00			60.00	
		1	60.00			60.00	
		1	60.00			60.00	
		1	9.00			9.00	
	S.A.O 3/3/2018					400.00 sqm	

Sudarya 3/3/18

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ಬೆಂಗಳೂರು

MEASUREMENT BOOK

ıte	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7	8
			(400mts/0.45) = 889 NOS				
			Total Qty = 889 NOS				
			@ Rate ₹ 331.78/NO				=₹ 294952/-
(8)	For Grading I material construction of granular sub base by providing coarse graded crushed stone aggregates of Granite/ Laterite material spreading in uniform layers with motor grader on prepared surface mixing by a mix Place method with water at OMC, and compacting with Vibratory roller to achieve the desired density, complete as per specifications..						
	As per premeasurement Qty recorded in this MB at Pg. No. 60888/2 vide item no (8). ie.					273.27 Cum	
	Qty limited to					273.00 Cum	
	@ Rate ₹ 1518.98/cum						=₹ 414682/-

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

60828

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	Providing, laying, spreading and compacting, graded stone aggregates to wet mix macadam specifications including pre mixing the material with water @ OMC in mechanical mix plant carriage by mixed method by tipper to site, laying in uniform layers with paver in sub-base base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications						
	As per premeasurement Qty recorded in this MB at Pg. No. 60889 vide it. no (9).					628.57 Cum	
	Qty limited to					627.90 Cum	
	@ Rate ₹ 1768.05/cum						=₹ 1110177/-

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ಬೆಂಗಳೂರು